

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Clayton Brian Atkins

Serial No.:

Examiner:

Filing Date:

Group Art Unit:

Title: SYSTEM AND METHOD FOR SCALING AND ENHANCING COLOR TEXT IMAGES



COMMISSIONER FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$240.00 fee under 37 CFR 1.17(p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a petition under 37 CFR 1.97(d)(2), and
☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EF054785165US

Date of Deposit 02/05/2001

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner, for Patents, Washington, D.C. 20231.

By

Typed Name: Thomas H. Ham

Respectfully submitted,

Clayton Brian Atkins

By

Mark A. Wilson

Attorney/Agent for Applicant(s)
Reg. No. 43,994

Date: 02/05/2001

Telephone No.: (925) 249-1300

PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001600-1

SERIAL NO.

APPLICANT

Clayton Brian Atkins

FILING DATE

GROUP

JCS86 U.S. PTO
09/777349

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	5,650,858	July 22, 1997	Lund	358	298
	1B					
	1C					
	1D					
	1E					
	1F					
	1G					
	1H					
	1I					
	1J					
	1K					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L							
	1M							
	1N							
	1O							
	1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Jan Allebach and Ping Wah Wong, "Edge-Directed Interpolation", IEEE, 0-7803-3258-X/96, 1996, pp. 707-710.
1R	S. Grace Chang, Zoran Cvetkovic, and Martin Vetterli, "Resolution Enhancement of Images Using Wavelet Transform Extrema Extrapolation", IEEE, 0-7803-2431-5/95, 1995, pp. 2379-2382.
1S	Kris Jensen and Dimitris Anastassiou, "Subpixel Edge Localization and the Interpolation of Still Images", IEEE Transactions on Image Processing, Vol. 4, No. 3, March 1995, pp. 285-295.

MINER

DATE CONSIDERED

PATENT APPLICATION

Sheet 1 of 1

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001600-1

SERIAL NO.

APPLICANT

Clayton Brian Atkins

FILING DATE

GROUP



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A					
	1B					
	1C					
	1D					
	1E					
	1F					
	1G					
	1H					
	1I					
	1J					
	1K					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L							
	1M							
	1N							
	1O							
	1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Michael Unser, Akram Aldroubi, and Murray Eden, "Enlargement or Reduction of Digital Images with Minimum Loss of Information", IEEE Transactions on Image Processing, Vol. 4, No. 3, March 1995, pp. 247-258.
1R	Michael Unser, Akram Aldroubi, and Murray Eden, "Fast B-Spline Transforms for Continuous Image Representation and Interpolation", IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 13, No. 3, March 1991, pp. 277-285.
1S	Robert G. Keys, "Cubic Convolution Interpolation for Digital Image Processing", IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-29, No. 6, December 1981, pp. 1153-1160.

MINER

DATE CONSIDERED

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10001600-1

SERIAL NO.

APPLICANT

Clayton Brian Atkins

FILING DATE

GROUP



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A					
	1B					
	1C					
	1D					
	1E					
	1F					
	1G					
	1H					
	1I					
	1J					
	1K					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L							
	1M							
	1N							
	1O							
	1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	Hsieh S. Hou and Harry C. Andrews, "Cubic Splines for Image Interpolation and Digital Filtering", IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-26, No. 6, December 1978, pp. 508-517.
1R	
1S	

EXAMINER

DATE CONSIDERED